

WHAT IS CLAIMED IS:

1. A dust collector comprising an exhaust collector, said dust exhaust box comprising:

Two housings, one of said housings combined with  
5 the other of said housings in an overlapped condition,  
each said housing having a flat portion and a  
circumferential wall surrounding said flat portion, said  
flat portion having a small hole for fixing a fan motor  
and a sucking pipe base therein, at least a large hole for  
10 fixing an annular base therein, each said circumferential  
wall having a flange to match with each other:

Two intermediate half hoops having a length a  
little less than the half of said flange of said housings  
and an inner groove to fit with the flanges of said two  
15 housings, said two half hoops firmly combined together  
to keep firmly said two housings combined together.

2. The dust collector as claimed in Claim 1,  
wherein said two intermediate half hoops respectively  
have a stud at two ends, and are combined together  
20 firmly by means of said two studs screwed together by  
bolts.

3. The dust collector as claimed in Claim 1,  
wherein a soft airtight gasket is fitted in said inner  
groove of each said half hoop so as to increase tightness  
25 of said flanges of said two housings.

4. The dust collector as claimed in Claim 1,  
wherein said exhaust box has its two ends respectively

fixed on a support frame, and said support frame consists of a lower frame and two upper frames, each said upper frame collapsibly combined with two sides of said lower frame and having an upper horizontal portion  
5 respectively firmly screwed with two side edges of said exhaust box.

5. The dust collector as claimed in Claim 4, wherein said lower frame further has a flat table, and four castors provided under said flat table at four  
10 corners, each said upper frame having a vertical rod extending upward at two sides, said vertical rod respectively fitting in said vertical rods of said lower fame, said upper horizontal portion of each said upper  
15 rod and having an intermediate curved section fitting closely with the side wall curved edge and screwed firmly with the side wall curved edge together by two bolts.